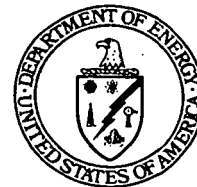




Department of Energy

Ohio Field Office Fernald Area Office

P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155



JUN 16 1999

2301

Mr. James A. Saric, Remedial Project Manager
U.S. Environmental Protection Agency
Region V-SRF-5J
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

DOE-0840-99

Mr. Tom Schneider, Project Manager
Ohio Environmental Protection Agency
401 East 5th Street
Dayton, Ohio 45402-2911

Dear Mr. Saric and Mr. Schneider:

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
STUDY/CONSENT DECREE MONTHLY REPORT FOR THE PERIOD MAY 1, 1999
THROUGH MAY 31, 1999**

This letter transmits the amended Consent Agreement Monthly Report for the period of May 1, 1999, through May 31, 1999. This report is formatted to reflect the proposal presented in the letter, DOE-0395-96, J. Reising to J.A. Saric and T. Schneider, "Phase VII Removal Actions and Reporting Requirements under the FEMP Legal Agreements," dated January 16, 1996, and agreed to by the U.S. Environmental Protection Agency (U.S. EPA) and Ohio Environmental Protection Agency (OEPA).

If you have any questions, please contact me at (513) 648-3139.

Sincerely,

FEMP:Reising

Johnny W. Reising
Fernald Remedial Action
Project Manager

Mr. James A. Saric
Mr. Tom Schneider

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JUN 16 1999

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Enclosure

cc w/enclosure:

N. Hallein, EM-42, CLOV
G. Jablonowski, USEPA-V, SRF-5J
R. Beaumier, TPSS/DERR, OEPA-Columbus
D. Sarno, FCAB
V. Dastillung, FRESH
P. Dunn, FRESH
F. Barker, Tetra Tech
D. Carr, FDF/52-2
T. Hagen, FDF/65-2
T. Walsh, FDF/65-2

AR Coordinator, FDF/78

cc w/o enclosure:

A. Tanner, OH/FEMP
F. Bell, ATSDR
M. Schupe, HSI GeoTrans
J. Harmon, FDF/90
R. Heck, FDF/2
S. Hinnefeld, FDF/31
B. Irvine, FDF/65-2
ECDC, FDF/52-7

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**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
STUDY/CONSENT DECREE MONTHLY REPORT MAY 1 THROUGH MAY 31, 1999**

Introduction

This report describes actions at the Fernald Environmental Management Project (FEMP) from May 1, 1999 through May 31, 1999. The monthly report has been revised to reflect the proposal presented in the letter, DOE-0395-96, J. Reising to J.A. Saric and T. Schneider, "Phase VII Removal Actions and Reporting Requirements under the FEMP Legal Agreements", dated January 16, 1996, and agreed to by USEPA and OEPA.

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
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STUDY/CONSENT DECREE MONTHLY REPORT MAY 1 THROUGH MAY 31, 1999**

OPERABLE UNIT 1 - WASTE PITS REMEDIAL ACTION PROJECT

May 1999

- Enforceable Milestones Expected to be Completed
 - None
- Major Work Initiated/Continued/Completed
 - Continued review of the revised RA Package by the Agencies
 - Continued with completion of remaining facilities
 - Continued training of FAT&LC personnel for full Operations
 - Processed 160 railcars of material for month of May (71 from SP6)
 - Shipped 156 railcars of material for disposition to Envirocare

June 1999 (Anticipated)

- Enforceable Milestones Expected to be Completed
 - None
- Major Work to be Initiated/Continued/Completed
 - Complete review revision in anticipation of conditional approval of the revised RA Package from the Agencies
 - Complete facilities needed for Pit Excavation
 - Continue training of FAT&LC personnel for full Operations
 - Complete excavation of SP6 and initiate excavation of SP7
 - Process 83 railcars of material from SP6 and SP7, ship 98 railcars of material for disposal to Envirocare

**OPERABLE UNIT 2 - ON-SITE DISPOSAL FACILITY AND SOIL CHARACTERIZATION AND
EXCAVATION PROJECT**

**Additional OU2 soils-related activities reported under OU5/Soils
Characterization and Excavation Project**

May 1999

- Enforceable Milestones
 - On-Site Disposal Facility (OSDF)
 - None

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
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STUDY/CONSENT DECREE MONTHLY REPORT MAY 1 THROUGH MAY 31, 1999**

- Soil Characterization and Excavation Project (SCEP)
 - None
- Major Work to be Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Completed installation of Interim Leachate Transmission Line
 - Issued the design for Interim Leachate Transmission Line to USEPA and OEPA
 - Continued clay screening in Borrow Area
 - Continued Cell 3 construction
 - Issued revised Systems Plan to USEPA and OEPA
 - Soil Characterization and Excavation Project (SCEP)
 - Submitted response for Agency comments on Real-Time Program documents (to DOE) on May 17, 1999
 - Completed Treatability Study on Firing Range on May 15, 1999
 - Continued sampling of Inactive Flyash Pile
 - Continued precertification activities in A2, PIII/RTRAK area
 - Received approval from the Agencies on the Certification Report for OSDF, Cell 3
 - Completed construction and addressed punch list items in the Site Preparation Package for A1PIII
 - Began preparatory activities for the Sewage Treatment Plant excavation
 - Received OEPA concurrence for the Treatability Study Report regarding the Trap Range on May 13, 1999
 - Conducted Alignment Meeting on May 21, 1999, for Title I/II work in Area 3A/4A
 - Natural Resource Restoration
 - Review of the Finding and Responsiveness Summary by DOE continues
 - Ecological Research Projects
 - Continued with projects
 - Conservation Area OU4 Supplemental Environmental Project
 - Completed Appraisal Report

June 1999 (Anticipated)

- Enforceable Milestones
 - None

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
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STUDY/CONSENT DECREE MONTHLY REPORT MAY 1 THROUGH MAY 31, 1999**

- Major Work to be Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Initiate waste placement into Cell 1 and 2
 - Continue clay screening in Borrow Area
 - Continue Cell 3 construction
 - Commence design of Permanent Leachate Line
 - Soil Characterization and Excavation Project (SCEP)
 - Continue sampling in Inactive Flyash Pile
 - Mobilize and begin In-situ stabilization in Firing Range area
 - Respond to Agency comments on the Certification Design Letter and/or the project Specific Plan regarding A2PIII-RTRAK
 - Continue Sewage Treatment Plant excavation activities
 - Mobilize for full scale stabilization in Trap Range area
 - Receive and approve Lockwood Greene Technologies Task Order Plan for Area 3A/4A Title I/II design work
 - Begin real-time and physical sampling in A7 PI
 - Natural Resource Restoration
 - Continue discussions with Natural Resource Trustees regarding settlement of Ohio's claim
 - Issue DOE Finding and Responsiveness Summary
 - Conservation Area OU4 Supplemental Environmental Project
 - Extend final offer to land owner by U.S. Army Corp of Engineers
 - Ecological Research Projects
 - Continue with projects

OPERABLE UNIT 3 - FACILITIES CLOSURE AND DEMOLITION PROJECT

May 1999

- Enforceable Milestones
 - None
- Major Work Initiate/Continued/Completed
 - Facilities Shutdown Projects
 - Completed the Pipe Bridges

CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
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- Plant 5 D&D
 - Issued Notice to Proceed to MACTEC on May 17, 1999
 - Conducted a job kick-off meeting on May 18, 1999, between MACTEC, FDF, and the Greater Cincinnati Building and Construction Trades Council
 - Began mobilization of key project personnel by MACTEC
- Maintenance/Tank Farm D&D and Water Storage Tank Project
 - Awarded options 12B, 12C, and the Railroad Locomotive to NSC
 - Completed D&D of Buildings 12B and 12C

June 1999 (Anticipated)

- Enforceable Milestones
 - None
- Major Work to be Initiated/Continued/Completed
 - Facilities Shutdown Projects
 - Begin Burn Pad Facility Shutdown
 - Begin Building 64/65 Facility Shutdown
 - Maintenance/Tank Farm D&D and Water Storage Tank Project
 - Continue with the D&D of Buildings 12A, 19C, 19E, Locomotive, and the Pipe Bridges
 - Complete the installation of underground utilities and the Water Storage Tank

OPERABLE UNIT 4 - SILOS PROJECT

May 1999

- Enforceable Milestones
 - None
- Major Work Initiated/Continued/Completed
 - Finalized Safety Basis Implementation Plan for the Silo 3 Project
 - Began development of Design Basis Document and Conceptual Design for the Silo 3 Project
 - Continued evaluation of transportation and disposal alternatives for treated Silo materials
 - Conducted briefings on draft Final test reports from the four Proof of Principle testing vendors
 - Finalized responses to comments on draft POP test reports

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
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- Received draft baseline schedule from Foster Wheeler for the Silos 1 and 2 Accelerated Waste Retrieval Project; conducted alignment meeting with FDF, DOE, and Foster Wheeler counterparts
- Initiated conceptual design on the Silos 1 and 2 Accelerated Waste Retrieval Project
- Initiated Dome Seal Repair on Silos 1 and 2

June 1999 (Anticipated)

- Enforceable Milestones
 - None
- Major Work to be Initiated/Continued/Completed
 - Close readiness audit of treatment and disposal facility for VitPP Waste Disposition Project
 - Review initial subcontractor submittals for Silos 1 and 2 Accelerated Waste Retrieval Project
 - Continue review of RMRS submittals for the Silo 3 project, including Design Basis, Conceptual Design, and Fire Hazards Analysis
 - Initiate paving of Silos Infrastructure road
 - Complete Silos 1 and 2 Dome Seal Repair project
 - Finalize vendor test reports for Silos 1 and 2 Proof of Principle testing; make reports available to reports to DOE, U.S. EPA, OEPA and stakeholders
 - Conduct briefing on RMRS conceptual design for U.S. EPA and OEPA

OPERABLE UNIT 5 - AQUIFER RESTORATION AND WASTEWATER PROJECT

May 1999

- Enforceable Milestones
 - Submitted monthly NPDES Discharge Monitoring Report to the OEPA on May 13, 1999
 - Submitted the NPDES Noncompliance Report to the OEPA on May 14, 1999 covering the month of April
 - Met 20 parts per billion (ppb) monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision

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CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
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- Work Initiated/Continued/Completed
 - Submitted the February 1999 Operating Report for the Re-Injection Demonstration on May 4, 1999 to DOE for transmittal to the Agencies. DOE transmitted to the EPA on May 12, 1999
 - Completed construction of SWRB area drainage improvement
 - Construction for the Sludge Removal System at the Stormwater Retention Basin (SWRB) and Biosurge Lagoon (BSL) is approximately 75% complete
 - Initiated procurement actions for AWWT DCS upgrade
 - Initiated construction procurement to switch out the IX control panel at the AWWT to the DCS systems
 - Initiated preliminary design of additional extraction wells for the South Field Extraction System (SFES)

June 1999 (Anticipated)

- Enforceable Milestones
 - Submit monthly NPDES Discharge Monitoring Report to the OEPA covering the previous month
 - Meet 20 parts per billion (ppb) monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision
- Work to be Initiated/Continued/Completed
 - Submit monthly 1999 Operating Report for the Re-Injection Demonstration to DOE for transmittal to the Agencies
 - Continue to geoprobe in South Field area
 - Complete construction of the Sludge Removal Systems at the SWRB and Surge Lagoon
 - Initiate start-up testing of new Sludge Removal Systems
 - Initiate engineering services from Parsons to assist in the design for additional extraction wells for the South Field
 - Complete piping changes at AWWT to reroute filter backwash to the SWRB
 - Receive bids for DCS upgrade and award contract
 - Complete design of piping changes at AWWT to reroute groundwater directly to the Phase I clarifier overflow tank
 - Continue construction of AWWT Laboratory Expansion

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WASTE MANAGEMENT

May 1999

- Enforceable Milestones
 - None
 - Work Initiated/Continued/Completed
 - Mixed Waste Shipping
 - Continue to determine additional requirements for shipment of wastes to a permitted commercial disposal facility. Upon determination, 143 drums will be shipped to a permitted facility
 - Liquid Mixed Waste Project
 - Continue to evaluate newly generated waste streams for bulking into Batches 9, 10 and 11
 - Revised TSCA Incinerator surveillance to list all Findings as satisfactorily addressed. The nonconformance has been closed, allowing for the final Batch 7 Shipment (#5) to be made to the TSCA incinerator
 - Neutralization/Precipitation/Deactivation/Stabilization (NPDS) Project
 - This project is complete. PermaFix personnel have arrived to begin repackaging equipment
 - Thorium Legacy Waste Project
 - Repackaged 76 boxes of Low-Level-Waste (LLW) for shipment to Nevada Test Site (NTS) and 4 boxes of Mixed Waste (MW). Total LLW boxes repackaged to date is 318 and the total MW boxes repackaged to date is 56
 - Moved 160 boxes of thorium from the Quonset Hut (Bldg. 60) to Building 64 for repackaging
- NOTE: Production of repackaged containers has slowed due to shortened stay times due to summer weather and higher temperatures
- RCI Solvent Extraction Project
 - Completed the transfer of methanol from the methanol tank to the 5,000-gallon tanker and moved the tanker to a location adjoining Building 80
 - Continued decontamination and decommissioning of the 6,500-gallon OEP tanks.
 - Continue D&D
 - Organic Treatment Project (OTP)
 - Completed radiological characterization for First Article Testing on May 18, 1999

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- Hazardous Waste Project (HWP)
 - HWP and Heritage Environmental packed and shipped 17 drums of lab chemicals from the Laboratory Building on May 3, 1999
 - Completed estimate of physical inventory requirements
 - Completed review of SARA property and capabilities

June 1999 (Anticipated)

- Enforceable Milestones
 - None
- Work to be Initiated/Continued/Completed
 - Mixed Waste Shipping
 - Ship 143 candidate drums upon final determination of additional requirements for shipment of wastes to a permitted commercial disposal facility
 - Await completion of radiological characterization to allow Department of Transportation (DOT) container reviews to begin
 - Liquid Mixed Waste Project
 - Perform sampling and analysis of Batch 9
 - Complete Operations D&D activities and bulk remaining tote tanks to contain D&D rinse water into Batch 9, weather and volume permitting
 - Ship Batch 7 (#5)
 - Finalize Batch 8 shipments plans and commence shipping
 - Neutralization/Precipitation/Deactivation/Stabilization (NPDS) Project
 - WTP has been working to finalize arrangements to release approximately 60 drums of cement to PermaFix, as well as contaminated equipment as a result of the project. The repackaging and shipment of equipment should be completed by June 30, 1999
 - Thorium Legacy Waste Project
 - Continue repackaging operations
 - Continue storage and treatment plan for MW Thorium
 - RCI Solvent Extraction Project
 - Complete D&D activities
 - Organic Treatment Project (OTP)
 - Continue, as a cost saving effort, toward dispositioning of waste streams from the Fire Training Facility through the OSDF, rather than through treatment in the OTP
 - Await Packaging & Shipping Compliance container DOT classification for First Article Testing Material

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- Hazardous Waste/Recycling
 - Repack broken fluorescent lamps
 - Begin reconfiguration of lead-acid battery pallets
 - issue FY99-2000 contract for photochemicals
 - Finalize arrangements for the pickup, treatment and disposal of bulk water treatment chemicals
- Waste Minimization
 - Award tire recycling contract
 - Award laserjet cartridge refurbishment contract